

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11839 (1986): Procedure for Splash Proof Testing of Automotive Vehicles [TED 4: Automotive Braking Systems]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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*Indian Standard***PROCEDURE FOR SPLASH PROOF TESTING OF  
AUTOMOTIVE VEHICLES**

**1. Scope** — Covers the splash proof testing of cars, jeeps, trucks and buses.

**2. Features of Test Track** — The test track shall be a shallow water trough of 100 m long, 6 m wide and with the water depth of 500 mm. Ramps shall be provided at both ends of the track.

**3. Preparation of the Vehicle**

**3.1** The vehicle shall conform in all its parts and components to the design and/or production series as applicable.

**3.2** The tyres shall be inflated to the pressure recommended by the manufacturer.

**3.3** The vehicle shall be run in as per manufacturer's recommendations.

**3.4** The vehicle shall be loaded to the specified Gross Vehicle Weight (GVW) and the load distribution between the axles shall be as per recommendations of the vehicle manufacturer.

**4. Test Procedure**

**4.1** After preparation as in 3, the vehicle shall be driven through the shallow water trough twice at speeds each of 25 km/h and 40 km/h. During the test 150 mm water depth shall be kept for cars and jeeps whereas 250 mm depth shall be kept for trucks and buses.

**4.2** During each run, ingress of water in the vehicle, if any, shall be recorded. The water ingress may be from the floor of the vehicle, foot controls, cab doors and windows due to splash. The effects of the water splash on components in engine compartments shall be observed and recorded. Effect of water splash on the windscreen like very poor visibility shall also be recorded. Performance of brakes and other components of the vehicle shall also be checked for safety.

**4.3** The vehicle shall be in a fit condition to drive after completion of the splash proof test in order to conform to the requirements of this standard.

**EXPLANATORY NOTE**

The automotive vehicles shall have an assured performance under and after going through the prevailing conditions of their operation on city roads, highway, etc. At times vehicles have to cross the stagnating water or otherwise to pass through some water logging areas.

This Indian Standard gives procedure for splash proof testing of automotive vehicles so that the test procedure is applied on uniform basis by all concerned.

Adopted 25 July 1986

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